

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
AIR QUALITY TECHNICAL ADVISORY COMMITTEE MEETING

Thursday, May 8, 2003
MAG Office
Phoenix, Arizona

MEMBERS PRESENT

Stephen Cleveland, City of Goodyear, Chairman
*Avondale: Michael Powell
Chandler: Jim Weiss
Gilbert: Brian Townsend for Tami Ryall
Glendale: Doug Kukino
Mesa: Christine Zielonka
Phoenix: Gaye Knight
Scottsdale: Larry Person
Surprise: Jerry Huston
Tempe: Oddvar Tveit for Tom Moore
*Citizen Representative: Walter Bouchard
*Arizona Lung Association: David Feuerherd
Salt River Project: Chris Janick
*Southwest Gas Corporation: Brian O'Donnell
Arizona Public Service Company: Jim Mikula for
Scott Davis
#Western States Petroleum Association: Gina Grey
Valley Metro: Randi Alcott for Bryan Jungwirth
*Arizona Motor Transport Association: Dave Berry
Maricopa County Farm Bureau: Jeannette Fish
Arizona Rock Products Association: Rusty Bowers
*Greater Phoenix Chamber of Commerce: Michelle
Rill

*Associated General Contractors: Amanda McGennis
*Homebuilders Association of Central Arizona:
Connie Wilhelm-Garcia
*American Institute of Architects - Central Arizona:
Stephen J. Andros
Valley Forward: Mannie Carpenter for Peter Allard
University of Arizona - Cooperative Extension:
Patrick Clay
Arizona Department of Transportation: Mark
Wheaton for Pat Cupell
Arizona Department of Environmental Quality:
Peter Hyde
Maricopa County Environmental Services
Department: Jo Crumbaker
*Arizona Department of Weights and Measures:
Duane Yantorno
*Federal Highway Administration: Dennis Mittelstedt
Arizona State University: Judi Nelson
Salt River Pima-Maricopa Indian Community:
Stan Belone for B. Bobby Ramirez
Citizen Representative: David Rueckert

*Members neither present nor represented by proxy.
#Participated via telephone conference call.

OTHERS PRESENT

Lindy Bauer, Maricopa Association of Governments
Ruey-in Chiou, Maricopa Association of
Governments
Dean Giles, Maricopa Association of
Governments
Cathy Arthur, Maricopa Association of
Governments
Julie Kicksey, Maricopa Association of
Governments
Taejoo Shin, Maricopa Association of Governments
Paul Ward, Maricopa Association of Governments

Mohan Toopal, Arizona Department of
Environmental Quality
Jean Parkinson, Pinal County Air Quality Control
District
Carolyn Novak, Stevens & Stevens, P.C.
Susie Stevens, Stevens & Stevens, P.C.
Kelly McMullen, Maricopa County Department of
Transportation
Carroll Reynolds, Town of Buckeye
Tami Stowe, House of Representatives
George Gerhash, City of Glendale

1. Call to Order

A meeting of the MAG Air Quality Technical Advisory Committee was conducted on May 8, 2003. Stephen Cleveland, City of Goodyear, Chairman, called the meeting to order at approximately 1:45 p.m. Gina Grey, Western States Petroleum Association, attended the meeting via telephone conference call.

2. Approval of the March 20, 2003 Meeting Minutes

The Committee reviewed the minutes from the March 20, 2003 meeting. Doug Kukino, City of Glendale, moved and Chris Janick, Salt River Project, seconded and the motion to approve the March 20, 2003 meeting minutes carried unanimously.

3. Draft MAG Carbon Monoxide Redesignation Request and Maintenance Plan

Lindy Bauer, Maricopa Association of Governments, gave a presentation on the Draft MAG Carbon Monoxide Redesignation Request and Maintenance Plan for the Maricopa County Nonattainment Area. Ms. Bauer indicated that the plan demonstrates that the carbon monoxide standards will continue to be met through 2015. She also mentioned that no violations of the federal carbon monoxide standards have occurred since 1996. MAG is requesting the redesignation of the Maricopa County Nonattainment Area to attainment status from the EPA.

Ms. Bauer listed the steps for redesignation to attainment. She indicated that the Carbon Monoxide Maintenance Plan contains a 1999 Periodic Emissions Inventory that was prepared by Maricopa County. Ms. Bauer added that a Contingency Plan is in place which contains additional control measures that give an extra benefit beyond what is needed to maintain the carbon monoxide standard. In addition, the Maintenance Plan will be tracked by MAG and Maricopa County to ensure continued attainment of the standard and so that revisions are prepared as required under the Clean Air Act. Also, a contingency process has been included that if there are two verified readings of 9.0 ppm at one monitor in a single carbon monoxide season, additional measures will be evaluated and considered.

Ms. Bauer provided a graph showing the carbon monoxide emission reductions in 2015 from individual maintenance measures. She indicated that these measures are not new, however, numeric credit will be taken. Ms. Bauer also displayed a graph of carbon monoxide emission reductions from individual contingency measures in 2000. A pie chart was also shown illustrating the distribution of 2015 Carbon Monoxide Attainment Emissions. Ms. Bauer added that the models are predicting a concentration of 8.06 parts per million for 2015. This concentration is below the standard of nine parts per million.

Cathy Arthur, Maricopa Association of Governments, reviewed the response to public comments on the Draft Carbon Monoxide Redesignation Request and Maintenance Plan received at the May 5, 2003 public hearing. One testimony was presented at the public hearing by Dianne Barker. In addition, written comments were submitted from two entities, Environmental Protection Agency and Western States Petroleum Association. She gave a brief response to the comments received. The

comments and responses discussed by Ms. Arthur, along with the official record of the hearing, were distributed to the Committee.

Mr. Kukino, asked when the region will pass the test for attainment. Ms. Bauer responded that the EPA will move quickly to take action on the serious plan. Mr. Kukino inquired if any CMAQ funding would be lost once attainment is reached. Ms. Bauer replied that a lesser amount may be received when attainment is achieved.

Christine Zielonka, City of Mesa, asked that if MTBE becomes illegal, will remodeling be required. Ms. Arthur responded that no remodeling would be necessary since the 2015 assumption included 100 percent ethanol. David Rueckert, Citizen Representative, moved and Gaye Knight, City of Phoenix, seconded and the motion to adopt the Draft MAG Carbon Monoxide Redesignation Request and Maintenance Plan for the Maricopa County Nonattainment Area carried with Gina Grey abstaining.

4. PM-10 Certified Street Sweepers in the Federal Fiscal Year 2003 Interim Year End Closeout

Paul Ward, Maricopa Association of Governments, gave a presentation on the federal funds available in the fiscal year 2003 interim year-end closeout. He mentioned that a closeout is the difference between the total funds and the cost of the completed projects. Currently \$14.6 million in MAG federal funds are available for projects in the fiscal year closeout process that is currently underway. On April 24, 2003, the MAG Transportation Review Committee (TRC) recommended that the street sweepers on the prioritized list for any additional FY 2003 CMAQ funds available during year-end closeout be funded, in accord with Regional Council directions. The TRC took further action to recommend that the City of Scottsdale be allowed to purchase two street sweepers in exchange for a particulate matter project targeted at paving dirt shoulders. Mr. Ward indicated that additional requests for street sweepers beyond the list approved by the Regional Council have been received since the TRC meeting.

Ms. Bauer indicated that conformity will be a challenge this year. She mentioned that Scottsdale offered some assistance by seeking the approval to use left over money to buy two PM-10 certified street sweepers. MAG's advice on this process was for Scottsdale to have the TRC change the use of the money given during the closeout and to also bring the street sweeper request to the Air Quality Technical Advisory Committee. Also, the Town of Gilbert submitted a request to use \$125,000 for the purchase of one street sweeper in exchange for a paving project. In addition, Surprise and Buckeye are now requesting CMAQ funding for the purchase of street sweepers. Ms. Bauer mentioned that the normal PM-10 street sweeper process takes place in September and then the requests are run through the model to test their impact. It was mentioned that if a city is not going to use the money they have left over at the end of the year, usually the money will go back into the closeout funds. Ms. Bauer indicated that the Committee has several options in making a recommendation.

Mr. Cleveland suggested to the Committee that the recommendation be broken into separate parts. Mr. Rueckert asked how the requests are prioritized. Mr. Cleveland responded that 21 street sweepers were recommended last year and were based on need. Brian Townsend, Town of Gilbert, mentioned that the original project for the \$125,000 was the paving of one neighborhood street and

it will not be completed due to financial constraints. Larry Person, City of Scottsdale, indicated that Scottsdale is trying to contribute to air quality and will not ignore the paving of shoulders. Scottsdale just paved four additional streets and are trying to find additional money in the budget. Mr. Person added that Scottsdale is proposing to extend air quality benefit by buying two new sweepers.

Peter Hyde, Arizona Department of Environmental Quality, asked for clarification on the relationship between the street sweepers and the closeout funds. Mr. Cleveland indicated that the street sweepers that were approved for closeout funds, approximately \$1.4 million, will come out of the \$14.6 million available in closeout funds. Mr. Ward added that many projects will not meet the time deadline. Therefore, using the closeout funds to purchase street sweepers works well.

Jim Weiss, City of Chandler, mentioned that requests made in September which were not granted should also be considered. Randi Alcott, Valley Metro, suggested approving those in the original 21 that did not get street sweepers and then those who are now requesting. Ms. Knight made a recommendation to approve \$1.603 million in FY 2003 Closeout Funds for the remaining PM-10 certified street sweepers. Ms. Alcott seconded, and the motion was approved unanimously. Mr. Cleveland clarified that the remaining eleven street sweepers on the list will be funded for a total of 21 sweepers.

Mr. Cleveland indicated that five requests have been discussed. Mr. Weiss mentioned that Chandler made a request last fall that did not make the list. Ms. Bauer stated that she is concerned how one was missed and she would work with Chandler on this issue. Mr. Cleveland mentioned that if Chandler did submit a request, then it should be included in the recommendation. Ms. Knight moved and Mr. Weiss seconded the motion to add the request from Chandler if confirmed that it was missed in September. The motion carried unanimously.

Mr. Kukino inquired about deferred projects. He asked if they are still on the books. Mr. Ward affirmed that deferred projects will remain on the books. Mr. Person made a motion to recommend the shifting of funds for Scottsdale and Gilbert for the purchase of street sweepers. Mr. Townsend seconded, and the motion carried unanimously.

Jo Crumbaker, Maricopa County, inquired about when a city requests deferral. Mr. Ward responded that if a project is deferred, it will be moved to the next fiscal year. He indicated that there has always been enough money to do this. Ms. Crumbaker asked if the deferred money goes back into the closeout funds. Mr. Ward replied that this is correct. Often deferred projects are the result of a time issue. He added that one could argue it is a swap of one PM-10 project for another. Mr. Cleveland mentioned that the region does benefit from the action. The Scottsdale and Gilbert requests are different because the sweepers requested involve an exchange of funds from previously programmed projects. He added that any unused funds not committed go back into the closeout funds. For Scottsdale this would be approximately \$60,000.

Mr. Cleveland indicated that Buckeye and Surprise have submitted requests for closeout funds to buy street sweepers. A possible solution would be to defer the requests until September as the process dictates. Ms. Alcott recommended making Buckeye and Surprise a third priority and include Chandler if it is not included in the earlier motion. Mr. Rueckert seconded the motion.

Ms. Zielonka indicated that she feels a bit uncomfortable making this recommendation when no air quality evaluation of the street sweepers has been done. She added that maybe it should be opened up again for all cities to make requests. Jerry Huston, City of Surprise, mentioned that he does not see any harm in having the request be third tier. Carroll Reynolds, Town of Buckeye, admitted that the process is a bit out of sequence, however, the goal is air quality and funding is available. He added that the Buckeye street sweeper request will replace a sweeper that is not PM-10 compliant. Mr. Reynolds stated that he realizes Buckeye did not get a request in on time, and feels being third tier is acceptable.

Ms. Alcott inquired about the deadline of May 16, 2003, only one week away, to submit projects. Mr. Ward responded that the additional requests were unforeseen. Ms. Alcott added that this would be the only chance to comment on the requests.

Mannie Carpenter, Valley Forward, inquired about the other project requests received in addition to street sweepers for the closeout funds. Mr. Ward mentioned the other projects submitted. He added that the closeout would be at the end of June. If street sweeper recommendations wait until then, staff will only have a couple of days to do all of the paperwork. Ms. Knight expressed concern about the number of requests yet to come. Mr. Kukino agreed with Ms. Knight adding that it should be opened up again to see what the cities have to say and then make a decision.

Mr. Cleveland asked for a vote on the motion to recommend making Buckeye and Surprise a third priority and in caveat to include Chandler. By a show of hands, five were in favor and 10 opposed, with two abstentions. The motion failed. Mr. Cleveland mentioned that Buckeye and Surprise will make their recommendations in September.

5. Salt River Monitoring Site Study Update

Ms. Crumbaker gave an update on the Salt River Monitoring Site Study. She distributed a set of maps to the Committee illustrating the study area as well as the location of observed fugitive dust. Ms. Crumbaker mentioned that two teams surveyed the study area in shifts, marking the type and location of fugitive PM-10 observed. The teams operated every three days except for holidays and weekends from June 1 to December 31, 2002. She added that the maps are not quantitative and that additional data will be collected to determine sources of observations in the "other" category. A table was distributed providing the number of observations for each source category as well as the frequency of trackout, unpaved hauling, and material handling observations. Ms. Crumbaker indicated that the most observed fugitive dust came from dirt shoulders. She added that the study area has a large amount of heavy duty truck traffic.

Mr. Cleveland inquired about the process of collection. Ms. Crumbaker replied that each team was made up of two people, one driver and one passenger. The passenger noted the visible plume by specifying the location and a brief description which enabled classification. The location and classification were then mapped. Ms. Arthur mentioned that there is a lot of parking on unpaved shoulders in the study area. She asked what the classification would be in this circumstance. Ms. Crumbaker indicated that it would be classified as unpaved shoulder. Mr. Rueckert asked about the

method of collection and if EPA Method 9 was used. Ms. Crumbaker responded that no readings were taken, just observations.

Mr. Kukino inquired about when the study will be completed. Mr. Hyde stated the inventory will be finished in late June with the modeling completed in October. Mr. Kukino asked what was included in the diesel category. Ms. Crumbaker replied that diesel exhaust is exhaust from internal combustion engines that use diesel as fuel. Ms. Knight mentioned that by the time the information is completed, the cities will have initiated work on any measures that need to be done. She is concerned that if the cities make decisions based on the preliminary data, what will happen if the modeling show different results. For example, the modeling could show a lower amount of source contribution for unpaved shoulders. Ms. Knight added that this is a tight crunch for cities. Ms. Crumbaker mentioned that we need a strong technological basis for developing the emissions inventory. Mr. Cleveland noted that 2004, 2005, and 2006 need to be clean or there may be an impact on federal funding. Mr. Carpenter inquired about the distribution of the observations. Ms. Crumbaker cautioned everyone that not all sources are visible from the road. Mr. Carpenter asked if the observations noted are from the location of the source. Ms. Crumbaker responded that this is correct.

6. 8-Hour Ozone Standard Area Designations

Julie Kicksey, Maricopa Association of Governments, provided an update on the process to designate nonattainment area boundaries for the eight-hour ozone standard. She presented the preliminary data collected to evaluate the factors identified by the EPA. Ms. Kicksey mentioned that the deadline for states to submit their recommendations is July 15, 2003. The EPA will make the final designations by April 15, 2004. Based on an initial evaluation, an optional boundary for the eight-hour ozone nonattainment area boundary was presented. Ms. Kicksey indicated that the optional boundary, in comparison to the current one-hour ozone nonattainment boundary, extends further into northeastern Maricopa County to include the Humboldt Mountain and Blue Point monitors. She added that the EPA will address designations for the Indian Communities. Ms. Kicksey stated that most of the expected growth in population, employment, and vehicle travel will be concentrated within the optional boundary. In addition, the three monitoring sites violating the eight-hour standard for the 2000-2002 period are located in this boundary. She added that based on the preliminary initial analysis, the optional boundary may be appropriate for consideration.

Mr. Kukino asked why Area A would not be an appropriate boundary. Ms. Bauer responded that there are many control measures already implemented in Area A that are designed to reduce emissions as growth occurs. Federal initiatives such as Tier 2 and heavy duty vehicle standards and low-sulfur fuel requirements will contribute further to reduce emissions throughout the Metropolitan Statistical Area. In addition, the EPA is proposing a program to reduce emissions from nonroad diesel engines by integrating engine and fuel controls. Ms. Bauer indicated that the growth will be concentrated within the boundary option presented. She added that designating Area A as the eight-hour ozone nonattainment boundary appears to be unnecessary based upon the preliminary analysis, control measures already being implemented, and the future air quality benefits from the upcoming federal measures.

7. Call to the Public

An opportunity was provided to members of the public to address the MAG Air Quality Technical Advisory Committee. No comments were presented.

8. Call for Future Agenda Items

Mr. Cleveland announced that the next meeting of the Committee is tentatively scheduled for May 27, 2003. He mentioned that the meeting will include part two of the year-end closeout. In addition, an update will be given on the designation of the nonattainment boundary for the eight-hour ozone standard.